

BIBLIOGRAPHY OF  
RAY H. ROSENMAN, M.D.

**In Sections of Abstracts:**

- + Denotes presentations given by Dr. Rosenman.**
- \* Denotes presentations with Dr. Rosenman as co-author.**

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CURRICULUM VITAE OF RAY H. ROSENMAN, M. D.BIRTH:

REDACTED

EDUCATION: University of Michigan.

Undergraduate (A.B.): 1938-1941

Medical School (M.D.): 1941-1944

POSTGRADUATE TRAINING:

- Internships: 1. University Hospital, Ann Arbor, Mich. (Hematology) (1943-44)  
2. Michael Reese Hospital, Chicago, Ill. (General) (1944-45)

- Residencies: 1. Wayne County General Hospital, Eloise-Detroit  
(a) Pathology (1945-46)  
2. Michael Reese Hospital, Chicago, Ill.  
(a) Cardiovascular Diseases (1946-50)  
(b) Internal Medicine (1949-50)

- Other: 1. Captain, Medical Corps, U. S. Army (1946-48)  
2. Research Fellowship of the American Heart Association (1950-51)

POSITIONS HELD:

Since 1950, engaged in practice of internal medicine and cardiology (half-time) and in research of lipid metabolism and coronary heart disease (half-time) in San Francisco.

Current Positions: A. Mount Zion Hospital and Medical Center, S.F. (since 1950)

1. Assistant Chief, Department of Medicine  
2. Asst. Chief, The Harold Brunn Institute for Cardiovascular Research

B. U.S. Public Health Hospital, San Francisco (since 1951)

1. Consultant in Cardiology

SOCIETY MEMBERSHIPS:

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I. STUDIES OF CARDIOVASCULAR PHYSIOLOGY AND ELECTROCARDIOGRAPHY (done at Ann Arbor, 1944, and at Michael Reese Hospital, Dept. of Cardiovascular Research, Chicago, Ill., 1948-50)

1. Bethell, F., Swendseit, N., and Rosenman, R.H. Panmyeloid Arrest Produced in Rats by a Purified Diet Containing Sulfaguanidine and Corrected by Liver or Yeast Extract. *J. Clin. Invest. (Amer. Soc. for Clin. Investigation)* 23:926, 1944.
2. Bethell, F., Swendseit, N., and Rosenman, R.H. Changes in the Blood and Marrow of Rats Receiving a Purified Diet Supplemented by Sulfaguanidine. Presented 49th Ann. Meeting, Mich. Acad. Sci., Arts, and Letters, Ann Arbor, Mich., March 17, 1944.
3. Rosenman, R.H. Spontaneous Regression of Metastatic Sarcoma. Report of a Case. *Am. J. Clin. Path.* 16:281, 1946.
4. Rosenman, R.H. Heart Block. (Questions and Answers). *J. Am. Med. Assoc.* 138:857, 1948.
5. Prec, O., Rosenman, R.H., Braun, K., Rodbard, S., and Katz, L.N. The Cardiovascular Effects of Acutely Induced Hypothermia. *J. Clin. Invest.* 28:293, 1949.
6. Prec, O., Rosenman, R.H., Braun, K., Harris, E., Rodbard, S., and Katz, L.N. The Circulatory Responses to Hyperthermia Induced by Radiant Heat. *J. Clin. Invest.* 28:301, 1949.
7. Prec, O., Sennett, L., Katz, L.N., Rosenman, R.H., Fishman, A., and W. Hwang. Determination of the Kinetic Energy of the Heart in Man. *Am. J. Physiol.* 159:483, 1949.
8. Kaplan, S.R., Rosenman, R.H., Katz, L.N., and Brams, W.A. Healed Subacute Bacterial Endocarditis, A New Entity. *J. Am. Med. Assoc.* 141:114, 1949.
9. Rosenman, R.H., Fishman, A.P., Kaplan, S.R., Levin, H.C., and Katz, L.N. Observations of the Clinical Use of Vissamin (Khellin). *J. Am. Med. Assoc.* 143:160, 1950.
10. Rosenman, R.H., Pick, A., and Katz, L.N. Intraventricular Block: Review of the Literature. *Arch. Int. Med.* 86:196, 1950.
11. Rosenman, R.H., and Katz, L.N. The Role of Multiple V Chest and aV Limb Leads in Routine Clinical Electrocardiography. *Med. Concepts of Cardiovascular Disease* 19:65, 1950.
12. Rosenman, R.H., Krause, S., Hwang, W., and Katz, L.N. The Electrocardiographic Diagnosis of Combined Left and Right Ventricular Strain. *Am. Heart J.* 40:453, 1950.

13. Rosenman, R.H., Silber, E.N., Kuramoto, K., Katz, L.N., and Shorr, D. The Value of an aV Limb Leads and the V Chest Leads ( $V_4R$  to  $V_7$ ) in Routine Clinical Electrocardiography. *Am. Heart J.* 40:573, 1950.
14. Rosenman, R.H. Observations on the Genesis of the Electrocardiogram. *Am. Heart J.* 40:522, 1950.
15. Schack, J.A., Rosenman, R.H., and Katz, L.N. The aV Limb Leads in the Diagnosis of Ventricular Strain. *Am. Heart J.* 40:696, 1950.
16. Weinberg, S.L., Reynolds, R.W., Rosenman, R.H., and Katz, L.N. Electrocardiographic Changes Associated with Patchy Myocardial Fibrosis in the Absence of Confluent Myocardial Infarction. *Am. Heart J.* 40:745, 1950.
17. Rosenman, R.H., Pick, A., and Katz, L.N. The Electrocardiographic Patterns and Localization of Intraventricular Conduction Defects. *Am. Heart J.* 40:845, 1950.
18. Rosenman, R.H., and Reynolds, R. The Transition Zone in Precordial Electrocardiograms from Multiple Sites. *Am. Heart J.* 40:867, 1950.
19. Rosenman, R.H. Intermittent Bundle Branch Block. *Disease of Chest* 40:342, 1961.

## II. STUDIES ON THE ROLE OF POTASSIUM IN THE MAINTENANCE OF THE BLOOD PRESSURE

1. Freed, S.C., and Friedman, M. Hypotension in the Rat Following Limitation of Potassium Intake. *Science* 112:788, 1950.
2. Freed, S.C., and Friedman, M. Depressor Effect of Potassium Restriction on Blood Pressure of the Rat. *Proc. Soc. Exper. Biol. & Med.* 78:74, 1951.
3. Freed, S.C., Friedman, M., and Rosenman, R.H. A Simple Method for Production of DCA Hypertension in the Rat. *Proc. Soc. Exper. Biol. & Med.* 77:732, 1951.
4. Rosenman, R.H., Freed, S.C., and Friedman, M. Effect of Variation of Potassium Intake on Pressor Activity of Desoxycorticosterone. *Proc. Soc. Exper. Biol. & Med.* 78:77, 1951.
5. Friedman, M., Rosenman, R.H., and Freed, S.C. Depressor Effect of Potassium Deprivation of the Blood Pressure of Hypertensive Rats. *Am. J. Physiol.* 167:457, 1951.
6. Rosenman, R.H., Freed, S.C., and Friedman, M. The Peripheral Vascular Reactivity of Potassium Deficient Rats. *Circulation* 5:412, 1952.
7. Friedman, M., Freed, S.C., and Rosenman, R.H. Effect of Potassium Administration on (1) Peripheral Vascular Reactivity and (2) Blood Pressure of the Potassium-deficient Rat. *Circulation* 5:415, 1952.

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8. St. George, S., Freed, S.C., and Rosenman, R.H. Correlation of Serum Potassium Concentrations with the Blood Pressure in Rats Fed a Potassium-deficient Ration. *Circulation* 6:371, 1952.
9. Rosenman, R.H., Freed, S.C., St. George, S., and Smith, M.K. Effect of Varying Dietary Potassium Upon the Blood Pressure of Hypertensive Rats. *Am. J. Physiol.* 175:386, 1953.
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### III. STUDIES OF THE MECHANISM OF THE ALTERED CHOLESTEROL METABOLISM IN HYPER- AND HYPOTHYROID STATES

1. Rosenman, R.H., Friedman, M., and Byers, S.O. Changes in Biliary Cholesterol in Abnormal Thyroid States. *Science* 114:210, 1951.
2. Rosenman, R.H., Friedman, M., and Byers, S.O. Observations Concerning the Metabolism of Cholesterol in the Hypo- and Hyperthyroid Rat. *Circulation* 5:589, 1952.
3. Friedman, M., Byers, S.O., Rosenman, R.H. Changes in Excretion of Intestinal Cholesterol and Sterol Digitonides in Hyper- and Hypothyroidism. *Circulation* 5:657, 1952.
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### IV. STUDIES OF THE MECHANISM OF HYPERLIPEMIA AND HYPERCHOLESTEREMIA IN THE NEPHROTIC SYNDROME

1. Rosenman, R.H., Friedman, M., and Byers, S.O. Observations Concerning the Cholate: Cholesterol Relationship in Clinical and Experimental Nephrosis. *J. Clin. Invest.* 32:121, 1953.
2. Rosenman, R.H., Friedman, M., and Byers, S.O. The Intestinal Absorption of Cholesterol by the Nephrotic Rat. *Circulation Research* 2:256, 1954.

3. Byers, S.O., Friedman, M., and Rosenman, R.H. The Hepatic Synthesis of Cholesterol in Nephrotic Rats. *Am. J. Physiol.* 178:317, 1954.
4. Friedman, M., Rosenman, R.H., and Byers, S.O. The Role of Exogenous Lipids in the Hyperlipemia and Hypercholesteremia of Nephrotic Rats. *J. Clin. Invest.* 33:1103, 1954.
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## V. MISCELLANEOUS STUDIES

### A. Hypertension

1. Naegle, C.F., Rosenman, R.H., Hoffman, C.L, and Friedman, M. Combined Rauwolfia-Hydralazine Therapy of Hypertensive Patients. *Circulation* 11:182, 1955.

### B. Digitoxin Metabolism

1. St. George, S., Naegle, C.F., French, P.S., Rosenman, R.H., and Friedman, M. A Quantitative Study of the Digitoxin Content of Edema Fluids. *J. Clin. Invest.* 32:1222, 1953.

### C. Cholesterol

#### a) Synthesis:

1. Rosenman, R.H. and Shibata, E. Effect of Age Upon Hepatic Synthesis of Cholesterol in Rats. *Proc. Soc. Exper. Biol. & Med.* 81:296, 1952.
2. Rosenman, R.H., Friedman, M., and Byers, S.O. Effect of Various Hormones Upon the Hepatic Synthesis of Cholesterol in Rats. *Endocrinology* 51:142, 1952.
3. Rosenman, R.H., Byers, S.O., and Friedman, M. Rate of Hepatic Synthesis of Cholesterol in the Pregnant Rat. *Bull. Johns Hopkins Hospital*, 91:105, 1952.

#### b) Absorption:

1. Rosenman, R.H., Byers, S.O., and Friedman, M. The Effect of Dihydro-cholesterol on the Absorption of Cholesterol by the Rat. *Circulation Research* 2:45, 1954.
2. Rosenman, R.H., Byers, S.O., and Friedman, M. The Effect of Soybean Sterols on the Absorption of Cholesterol by the Rat. *Circulation Research* 2:160, 1954.



3. Friedman, M., Rosenman, R.H., and Byers, S.O. The Effect of Sitosterol Upon Intestinal Absorption of Cholesterol in the Rat. *Circulation Research* 4:157, 1956.

c) Cholate Metabolism:

1. Friedman, M., Byers, S.O., and Rosenman, R.H. The Accumulation of Serum Cholate; Its Relationship to Hypercholesteremia. *Science* 115:313, 1952.
2. Rosenman, R.H., Byers, S.O., and Friedman, M. The Role of Cholate in Dietary-induced Hypercholesteremia of Rats and Rabbits. *Am. J. Physiol.* 175:307, 1953.

d) Xanthelasma:

1. Epstein, N., Rosenman, R.H., and Gofman, J. Serum Lipoproteins and Cholesterol Metabolism in Xanthelasma. *Arch. Derm.* 65:70, 1952.

e) Mechanism of Hypercholesteremia:

1. Friedman, M., Rosenman, R.H., and Byers, S.O. The Use of Normal Rabbit Serum in Production of Hypercholesteremia in Cholesterol-fed Rats. *Proc. Soc. Exper. Biol. & Med.* 81:393, 1952.
2. Friedman, M., Byers, S.O., and Rosenman, R.H. Lipogenic Hypercholesteremia. *Arch. Int. Med.* 116:807, 1965.

f) Effect of Drugs on Cholesterol Metabolism:

1. Rosenman, R.H., and Smith, M.K. The Effect of Certaining Chelating Substances (EDTA) Upon Cholesterol Metabolism in the Rat. *J. Clin. Invest.* 35:11, 1956.
2. Rosenman, R.H. Observations on the Effect of Triparanol (MER-29) on the Serum Cholesterol of Selected Human Subjects. *Progress in Cardiovasc. Disease* 2:605, 1960.

g) Reticulo-Endothelial System:

1. Friedman, M., Byers, S.O., and Rosenman, R.H. Observations Concerning the Production and Excretion of Cholesterol in Mammals. XII. Demonstration of the Essential Role of the Hepatic Reticulo-Endothelial Cell (Kupffer Cell) in the Normal Disposition of Exogenously Derived Cholesterol. *Am. J. Physiol.* 177:77, 1954.

h) Experimental Atherosclerosis:

1. Friedman, M., Byers, S.O., and Rosenman, R.H. The Resolution of Aortic Atherosclerotic Infiltration in the Rabbit by Phosphatide Infusion. *Proc. Soc. Exper. Biol. & Med.* 95:586, 1957.

VI. STUDIES OF THE ROLE OF VARIOUS FACTORS IN ATHEROGENESIS AND CLINICAL CORONARY HEART DISEASE

1. Friedman, M., and Rosenman, R.H. A Comparison of the Daily Fat Intake of the American Woman and Man; Its Possible Relationship to the Difference in Their Incidence of Clinical Coronary Artery Disease. *Circulation* 16:339, 1957.
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2. \* Effect of Potassium-Deficient Diet on Blood Pressure of Rats. Am. Heart Assn., Atlantic City, June, 1951.
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